

22 April 1957

MEMORANDUM FOR: Chief, Non-Ferrous Metals and Minerals Branch, ORR

ATTENTION:

25X1A9a

THROUGH: Chief, Materials Division, ORR  
THROUGH: Acting Chief, Industrial Division, ORR

FROM: Acting Chief, Aircraft Branch, D/I

SUBJECT: 1956 Aluminum and Magnesium Requirements of the  
Soviet Aircraft Industry

1. Based on coefficients supplied by ATIC for Soviet aircraft, the 1956 aluminum and magnesium requirements of the Soviet aircraft industry are as follows:

<u>Material</u>	<u>Quantity Consumed by Aircraft Industry</u>	
Aluminum	50,000	metric tons
Magnesium	2,800	metric tons

2. This branch believes that the coefficients for magnesium supplied by ATIC are too high. For example ATIC estimated that the Fresco (MIQ-17) requires 300 pounds of magnesium, but a study indicated that only 17 pounds of magnesium was required in its construction. The Fresco is similar to the Fagot and is considered a further development of that aircraft. The Fresco should have required not more than 20 pounds of magnesium if the same material usage practice found in the Fagot was followed in the Fresco. The Aircraft Branch believes that the Soviet aircraft industry consumed less than 1,000 metric tons of magnesium during 1956.

3. The aluminum figure listed above is probably low. The Soviet aircraft industry might have consumed as much as 60,000 metric tons of aluminum during 1956.

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Distribution:

Orig. and 1 - M/NF  
1 - D/M  
1 - D/I

Approved: 2 - I/AR

ORR: D/I/AR